RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/540,311_
Source: _PCT/10_
Date Processed by STIC: _6/30/05_

ENTERED

PCT

```
 3 <110> APPLICANT: Avalon Pharmaceuticals, Inc.
 5 <120> TITLE OF INVENTION: Amplified Cancer Target Genes Useful in Diagnosis
 6       and Therapeutic Screening
 8 <130> FILE REFERENCE: 689290-248
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/540,311
C--> 11 <141> CURRENT FILING DATE: 2005-06-20
13 <150> PRIOR APPLICATION NUMBER: 60/434,918
14 <151> PRIOR FILING DATE: 2002-12-20
16 <150> PRIOR APPLICATION NUMBER: 60/463,577
17 <151> PRIOR FILING DATE: 2003-04-17
19 <160> NUMBER OF SEQ ID NOS: 11
21 <170> SOFTWARE: PatentIn version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 2602
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial
28 <220> FEATURE:
29 <223> OTHER INFORMATION: cDNA
31 <400> SEQUENCE: 1
32 ttcttgtgct tcttgcccat ggcggcgccg gcggcgggcc cgaggcgggg gctgggaaca      60
33 gctggcaccc ggtcggacct tggccgccac cgccccctgg ccctggctgg ccgcccgcgc     120
34 tcgctgcgcc gaggttgccg agctcgctgg gccgcgccgg aaacggggcg aggcggggcc     180
35 gcggcaggaa gtggccctgc cgggcccgag cgcttccggg tcaggaggtg gtgcgcctcg     240
36 cgcggcagat tcgaagctag ggcgggggccc gcgggctgag gcagcggctg tggcggcgac    300
37 gctgggcgtg aggtggcggc ggccgcgccc tggttgggtc cccactgctc tcgggggcgc     360
38 catggacgag gccgtgggcg acctgaagca ggcgcttccc tgtgtggccg agtcgccaac     420
39 ggtccacgtg gaggtgcatc agcgcggcag cagcactgca aagaaagaag acataaacct     480
40 gagtgttaga aagctactca acagacataa tattgtgttt ggtgattaca catggactga     540
41 gtttgatgaa cctttttttga ccagaaatgt gcagtctgtg tctattattg acacagaatt    600
42 aaaggttaaa gactcacagc ccatcgattt gagtgcatgc actgttgcac ttcacatttt     660
43 ccagctgaat gaagatggcc ccagcagtga aaatctggag gaagagacag aaaacataat     720
44 tgcagcaaat cactgggttc tacctgcagc tgaattccat gggctttggg acagcttggt     780
45 atacgatgtg gaagtcaaat cccatctcct cgattatgtg atgacaactt tactgttttc     840
46 agacaagaac gtcaacagca acctcatcac ctggaaccgg gtggtgctgc tccacggtcc     900
47 tcctggcact ggaaaaacat ccctgtgtaa agcgttagcc cagaaattga caattagact     960
48 ttcaagcagg taccgatatg gccaattaat tgaaataaac agccacagcc tcttttctaa    1020
49 gtggttttcg gaaagtggca agctggtaac caagatgttt cagaagattc aggatttgat    1080
50 tgatgataaa gacgccctgg tgttcgtgct gattgatgag gtggagagtc tcacagccgc    1140
51 ccgaaatgcc tgcagggcgg gcaccgagcc atcagatgcc atccgcgtgg tcaatgctgt    1200
52 cttgacccaa attgatcaga ttaaaaggca ttccaatgtt gtgattctga ccacttctaa    1260
53 catcaccgag aagatcgacg tggccttcgt ggacagggct gacatcaagc agtacattgg    1320
54 gccaccctct gcagcagcca tcttcaaaat ctacctctct tgtttggaag aactgatgaa    1380
55 gtgtcagatc atatacccct gccagcagct gctgaccctc cgagagctag agatgattgg    1440
```

```
56  cttcattgaa  aacaacgtgt  caaaattgag  ccttcttttg  aatgacattt  caaggaagag  1500
57  cgagggcctc  agcggccggg  tcctgagaaa  actccccttt  ctggctcatg  cgctgtatgt  1560
58  ccaggccccc  accgtcacca  tagaggggtt  cctccaggcc  ctgtctctgg  cagtggacaa  1620
59  gcagtttgaa  gagagaaaga  agcttgcagc  ttacatctga  tcctgggctt  ccccatctgg  1680
60  tgcttttccc  atggagaaca  cacaaccagt  aagtgaggtt  gccccacaca  gccgtctccc  1740
61  agggaatccc  ttctgcaaac  caaacgttac  ttagactgca  agctagaaag  ccaccaaggc  1800
62  caggctttgt  taaaagaagt  gtattctatt  tatgttgttt  taaaatgcat  actgagagac  1860
63  aaacatcttg  tcattttcac  tgtttgtaaa  agataattca  gattgtttgt  ctccttgtga  1920
64  agaaccatcg  aaacctgttt  gttcccagcc  caccccagt   ggatgggatg  cataatgcca  1980
65  gcaagttttg  tttaacagca  aaaaaggaag  attaatgcag  gtgttataga  agccagaaga  2040
66  gaaactgtgt  caccctaaag  aagcatataa  tcatagcatt  aaaaatgcac  acattactcc  2100
67  aggtggaagg  tggcaattgc  tttctgatat  cagctcgttt  gatttagtgc  aaaaatgttt  2160
68  tcaagactat  ttaatggatg  taaaaaagcc  tatttctaca  ttataccaac  tgagaaaaaa  2220
69  atggtcggta  aagtgttctt  tcataataaa  taatcagaca  tggtcccatt  tgcaggaaaa  2280
70  gtgcagactc  tgagtgttcc  agggaaacac  atgctggaca  tcccttgtaa  cccggtatgg  2340
71  gcgcccctgc  attgctggga  tgtttctgcc  cacggttttg  tttgtgcaat  aacgttatca  2400
72  catttctaat  gaggattcac  attaatataa  tataaaataa  ataggtcagt  tactggtctc  2460
73  tttctccgaa  tgttatgttt  tgcttttatc  tcacagtaaa  ataaatataa  ttaatggttt  2520
74  gcatgtgaaa  ttcacttttg  aaagaacatg  ttaccttacc  ttttgtttta  gaagttttca  2580
75  agtattaaaa  tattttttag  aa                                            2602
78  <210> SEQ ID NO: 2
79  <211> LENGTH: 2034
80  <212> TYPE: DNA
81  <213> ORGANISM: Artificial
83  <220> FEATURE:
84  <223> OTHER INFORMATION: cDNA
86  <400> SEQUENCE: 2
87  ttcttgtgct  tcttgcccat  ggcggcgccg  gcggcgggcc  cgaggcgggg  gctgggaaca   60
88  gctggcaccc  ggtcggacct  tggccgccac  cgccccctgg  ccctggctgg  ccgcccgcgc   120
89  tcgctgcgcc  gaggttgccg  agctcgctgg  gccgcgccgg  aaacggggcg  aggcggggcc   180
90  gcggcaggaa  gtggccctgc  cgggcccgag  cgcttccggg  tcaggaggtg  gtgcgcctcg   240
91  cgcggcagat  tcgaagctag  ggcggggccc  gcgggctgag  gcagcggctg  tggcggcgac   300
92  gctgggcgtg  aggtggcggc  ggccgcgccc  tggttgggtc  cccactgctc  tcgggggcgc   360
93  catggacgag  gccgtgggcg  acctgaagca  ggcgcttccc  tgtgtggccg  agtcgccaac   420
94  ggtccacgtg  gaggtgcatc  agcgcggcag  cagcactgca  aagaagaag   acataaacct   480
95  gagtgttaga  aagctactca  acagacataa  tattgtgttt  ggtgattaca  catggactga   540
96  gtttgatgaa  ccttttttga  ccagaaatgt  gcagtctgtg  tctattattg  acacagaatt   600
97  aaaggttaaa  gactcacagc  ccatcgattt  gagtgcatgc  actgttgcac  ttcacatttt   660
98  ccagctgaat  gaagatggcc  ccagcagtga  aaatctggag  gaagagacag  aaaacataat   720
99  tgcagcaaat  cactgggttc  tacctgcagc  tgaattccat  gggctttggg  acagcttggt   780
100 atacgatgtg  gaagtcaaat  cccatctcct  cgattatgtg  atgacaactt  tactgttttc   840
101 agacaagaac  gtcaacagca  acctcatcac  ctggaaccgg  gtggtgctgc  tccacggtcc   900
102 tcctggcact  ggaaaaacat  ccctgtgtaa  agcgttagcc  cagaaattga  caattagact   960
103 ttcaagcagg  taccgatatg  gccaattaat  tgaaataaac  agccacagcc  tctttctaa   1020
104 gtggttttcg  gaaagtggca  agctggtaac  caagatgttt  cagaagattc  aggatttgat  1080
105 tgatgataaa  gacgccctgg  tgttcgtgct  gattgatgag  gtggagagtc  tcacagccgc  1140
106 ccgaaatgcc  tgcagggcgg  gcaccgagcc  atcagatgcc  atccgcgtgg  tcaatgctgt  1200
107 cttgacccaa  attgatcaga  ttaaaaggca  ttccaatgtt  gtgattctga  ccacttctaa  1260
108 catcaccgag  aagatcgacg  tggccttcgt  ggacagggct  gacatcaagc  agtacattgg  1320
```

```
109 gccaccctct gcagcagcca tcttcaaaat ctacctctct tgtttggaag aactgatgaa   1380
110 gtgtcagatc atataccctc gccagcagct gctgaccctc cgagagctag agatgattgg   1440
111 cttcattgaa aacaacgtgt caaaattgag ccttcttttg aatgacattt caaggaagag   1500
112 cgagggcctc agcggccggg tcctgagaaa actccccttt ctggctcatg cgctgtatgt   1560
113 ccaggccccc accgtcacca tagaggggtt cctccaggcc ctgtctctgg cagtggacaa   1620
114 gcagtttgaa gagagaaaga agcttgcagc ttacatctga tcctgggctt ccccatctgg   1680
115 tgcttttccc atggagaaca cacaaccgaa aagtgcagac tctgagtgtt ccagggaaac   1740
116 acatgctgga catcccttgt aacccggtat gggcgcccct gcattgctgg gatgtttctg   1800
117 cccacggttt tgtttgtgca ataacgttat cacatttcta atgaggattc acattaatat   1860
118 aatataaaat aaataggtca gttactggtc tctttctccg aatgttatgt tttgctttta   1920
119 tctcacagta aaataaatat aattaatggt ttgcatgtga aattcacttt tgaaagaaca   1980
120 tgttacctta ccttttgttt tagaagtttt caagtattaa aatatttttt agaa         2034
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 1908
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial
128 <220> FEATURE:
129 <223> OTHER INFORMATION: cDNA
131 <400> SEQUENCE: 3
132 ttcttgtgct tcttgcccat ggcggcgccg gcggcgggcc cgaggcgggg gctgggaaca     60
133 gctggcaccc ggtcggacct tggccgccac cgccccctgg ccctggctgg ccgcccgcgc    120
134 tcgctgcgcc gaggttgccg agctcgctgg gccgcgccgg aaacggggcg aggcggggcc    180
135 gcggcaggaa gtggccctgc cgggcccgag cgcttccggg tcaggaggtg gtgcgcctcg    240
136 cgcggcagat tcgaagctag ggcggggccc gcgggctgag gcagcggctg tggcggcgac    300
137 gctgggcgtg aggtggcggc ggccgcgccc tggttgggtc cccactgctc tcgggggcgc    360
138 catggacgag gccgtgggcg acctgaagca ggcgcttccc tgtgtggccg agtcgccaac    420
139 ggtccacgtg gaggtgcatc agcgcggcag cagcactgca aagaaagaag acataaacct    480
140 gagtgttaga aagctactca acagacataa tattgtgttt ggtgattaca catggactga    540
141 gtttgatgaa ccttttttga ccagaaatgt gcagtctgtg tctattattg acacagaatt    600
142 aaaggttaaa gactcacagc ccatcgattt gagtgcatgc actgttgcac ttcacatttt    660
143 ccagctgaat gaagatggcc ccagcagtga aaatctggag gaagagacag aaaacataat    720
144 tgcagcaaat cactgggttc tacctgcagc tgaattccat gggctttggg acagcttggt    780
145 atacgatgtg gaagtcaaat cccatctcct cgattatgtg atgacaactt tactgttttc    840
146 agacaagaac gtcaacagca acctcatcac gcccccaccg tcaccataga ggggttcctc    900
147 caggccctgt ctctggcagt ggacaagcag tttgaagaga gaaagaagct tgcagcttac    960
148 atctgatcct gggcttcccc atctggtgct tttcccatgg agaacacaca accagtaagt   1020
149 gaggttgccc cacacagccg tctcccaggg aatcccttct gcaaccaaa cgttacttag    1080
150 actgcaagct agaaagccac caaggccagg ctttgttaaa agaagtgtat tctatttatg   1140
151 ttgtttttaaa atgcatactg agagacaaac atcttgtcat tttcactgtt tgtaaaagat   1200
152 aattcagatt gtttgtctcc ttgtgaagaa ccatcgaaac ctgtttgttc ccagcccacc   1260
153 cccagtggat gggatgcata atgccagcaa gttttgttta acagcaaaaa aggaagatta   1320
154 atgcaggtgt tatagaagcc agaagagaaa ctgtgtcacc ctaaagaagc atataatcat   1380
155 agcattaaaa atgcacacat tactccaggt ggaaggtggc aattgctttc tgatatcagc   1440
156 tcgtttgatt tagtgcaaaa atgttttcaa gactatttaa tggatgtaaa aaagcctatt   1500
157 tctacattat accaactgag aaaaaaatgg tcggtaaagt gttctttcat aataaataat   1560
158 cagacatggt cccatttgca ggaaaagtgc agactctgag tgttccaggg aaacacatgc   1620
159 tggacatccc ttgtaacccg gtatgggcgc ccctgcattg ctgggatgtt tctgcccacg   1680
160 gttttgtttg tgcaataacg ttatcacatt tctaatgagg attcacatta atataatata   1740
161 aaataaatag gtcagttact ggtctctttc tccgaatgtt atgttttgct tttatctcac   1800
```

RAW SEQUENCE LISTING   DATE: 06/30/2005
PATENT APPLICATION: US/10/540,311   TIME: 08:46:14

Input Set : A:\689290-248.txt
Output Set: N:\CRF4\06302005\J540311.raw

```
162 agtaaaataa atataattaa tggtttgcat gtgaaattca cttttgaaag aacatgttac   1860
163 cttacctttt gttttagaag ttttcaagta ttaaaatatt ttttagaa                1908
166 <210> SEQ ID NO: 4
167 <211> LENGTH: 2538
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: cDNA
174 <400> SEQUENCE: 4
175 ttcttgtgct tcttgcccat ggcggcgccg gcggcgggcc cgaggcgggg gctgggaaca     60
176 gctggcaccc ggtcggacct tggccgccac cgcccctgg ccctggctgg ccgcccgcgc    120
177 tcgctgcgcc gaggttgccg agctcgctgg gccgcgccgg aaacggggcg aggcggggcc    180
178 gcggcaggaa gtggccctgc cgggcccgag cgcttccggg tcaggaggtg gtgcgcctcg    240
179 cgcggcagat tcgaagctag ggcggggccc gcgggctgag gcagcggctg tggcggcgac    300
180 gctgggcgtg aggtggcggc ggccgcgccc tggttgggtc cccactgctc tcggggcgc    360
181 catggacgag gccgtgggcg acctgaagca ggcgcttccc tgtgtggccg agtcgccaac    420
182 ggtccacgtg gaggtgcatc agcgcggcag cagcactgca aagaaagaag acataaacct    480
183 gagtgttaga aagctactca acagacataa tattgtgttt ggtgattaca catggactga    540
184 gtttgatgaa ccttttttga ccagaaatgt gcagtctgtg tctattattg acacagaatt    600
185 aaaggttaaa gactcacagc ccatcgattt gagtgcatgc actgttgcac ttcacatttt    660
186 ccagctgaat gaagatggcc ccagcagtga aaatctggag gaagagacag cttggtatac    720
187 gatgtggaag tcaaatccca tctcctcgat tatgtgatga caactttact gttttcagac    780
188 aagaacgtca acagcaacct catcacctgg aaccgggtgg tgctgctcca cggtcctcct    840
189 ggcactggaa aaacatccct gtgtaaagcg ttagcccaga aattgacaat tagactttca    900
190 agcaggtacc gatatggcca attaattgaa ataaacagcc acagcctctt ttctaagtgg    960
191 ttttcggaaa gtggcaagct ggtaaccaag atgtttcaga agattcagga tttgattgat   1020
192 gataaagacg ccctggtgtt cgtgctgatt gatgaggtgg agagtctcac agccgcccga   1080
193 aatgcctgca gggcgggcac cgagccatca gatgccatcc gcgtggtcaa tgctgtcttg   1140
194 acccaaattg atcagattaa aaggcattcc aatgttgtga ttctgaccac ttctaacatc   1200
195 accgagaaga tcgacgtggc cttcgtggac agggctgaca tcaagcagta cattgggcca   1260
196 ccctctgcag cagccatctt caaaatctac ctctcttgtt tggaagaact gatgaagtgt   1320
197 cagatcatat accctcgcca gcagctgctg accctccgag agctagagat gattggcttc   1380
198 attgaaaaca acgtgtcaaa attgagcctt cttttgaatg acatttcaag gaagagcgag   1440
199 ggcctcagcg gccgggtcct gagaaaactc ccctttctgg ctcatgcgct gtatgtccag   1500
200 gcccccaccg tcaccataga ggggttcctc caggccctgt ctctggcagt ggacaagcag   1560
201 tttgaagaga gaaagaagct tgcagcttac atctgatcct gggcttcccc atctggtgct   1620
202 tttcccatgg agaacacaca accagtaagt gaggttgccc cacacagccg tctcccaggg   1680
203 aatcccttct gcaaaccaaa cgttacttag actgcaagct agaaagccac caaggccagg   1740
204 ctttgttaaa agaagtgtat tctatttatg ttgtttaaa atgcatactg agagacaaac   1800
205 atcttgtcat tttcactgtt tgtaaaagat aattcagatt gtttgtctcc ttgtgaagaa   1860
206 ccatcgaaac ctgtttgttc ccagcccacc cccagtggat gggatgcata atgccagcaa   1920
207 gttttgttta acagcaaaaa aggaagatta atgcaggtgt tatagaagcc agaagagaaa   1980
208 ctgtgtcacc ctaaagaagc atataatcat agcattaaaa atgcacacat tactccaggt   2040
209 ggaaggtggc aattgctttc tgatatcagc tcgtttgatt tagtgcaaaa atgttttcaa   2100
210 gactatttaa tggatgtaaa aaagcctatt tctacattat accaactgag aaaaaaatgg   2160
211 tcggtaaagt gttctttcat aataaataat cagacatggt cccatttgca ggaaaagtgc   2220
212 agactctgag tgttccaggg aaacacatgc tggacatccc ttgtaacccg gtatgggcgc   2280
213 ccctgcattg ctgggatgtt tctgcccacg gttttgtttg tgcaataacg ttatcacatt   2340
214 tctaatgagg attcacatta atataatata aaataaatag gtcagttact ggtctctttc   2400
```

```
215 tccgaatgtt atgttttgct tttatctcac agtaaaataa atataattaa tggtttgcat   2460
216 gtgaaattca cttttgaaag aacatgttac cttacctttt gttttagaag ttttcaagta   2520
217 ttaaaatatt ttttagaa                                                   2538
220 <210> SEQ ID NO: 5
221 <211> LENGTH: 2240
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: cDNA
228 <400> SEQUENCE: 5
229 ctgtgctgct ccctggagtg gggggaactc agcggcgggg ccagaccttc acagaccctc     60
230 cttatgtcca cggagggtgg attgaggtca gcactgcaaa gaaagaagac ataaacctga    120
231 gtgttagaaa gctactcaac agacataata ttgtgtttgg tgattacaca tggactgagt    180
232 ttgatgaacc ttttttgacc agaaatgtgc agtctgtgtc tattattgac acagaattaa    240
233 aggttaaaga ctcacagccc atcgatttga gtgcatgcac tgttgcactt cacattttcc    300
234 agctgaatga agatggcccc agcagtgaaa atctggagga agagacagaa aacataattg    360
235 cagcaaatca ctgggttcta cctgcagctg aattccatgg gctttgggac agcttggtat    420
236 acgatgtgga agtcaaatcc catctcctcg attatgtgat gacaacttta ctgttttcag    480
237 acaagaacgt caacagcaac ctcatcacct ggaaccgggt ggtgctgctc cacggtcctc    540
238 ctggcactgg aaaaacatcc ctgtgtaaag cgttagccca gaaattgaca attagacttt    600
239 caagcaggta ccgatatggc caattaattg aaataaacag ccacagcctc ttttctaagt    660
240 ggttttcgga aagtggcaag ctggtaacca agatgtttca gaagattcag gatttgattg    720
241 atgataaaga cgccctggtg ttcgtgctga ttgatgaggt ggagagtctc acagccgccc    780
242 gaaatgcctg cagggcgggc accgagccat cagatgccat ccgcgtggtc aatgctgtct    840
243 tgacccaaat tgatcagatt aaaaggcatt ccaatgttgt gattctgacc acttctaaca    900
244 tcaccgagaa gatcgacgtg gccttcgtgg acagggctga catcaagcag tacattgggc    960
245 caccctctgc agcagccatc ttcaaaatct acctctcttg tttggaagaa ctgatgaagt   1020
246 gtcagatcat ataccctcgc cagcagctgc tgaccctccg agagctagag atgattggct   1080
247 tcattgaaaa caacgtgtca aaattgagcc ttcttttgaa tgacatttca aggaagagcg   1140
248 agggcctcag cggccgggtc ctgagaaaac tcccctttct ggctcatgcg ctgtatgtcc   1200
249 aggcccccac cgtcaccata gaggggttcc tccaggccct gtctctggca gtggacaagc   1260
250 agtttgaaga gagaaagaag cttgcagctt acatctgatc ctgggcttcc ccatctggtg   1320
251 ctttttcccat ggagaacaca caaccagtaa gtgaggttgc cccacacagc cgtctcccag   1380
252 ggaatccctt ctgcaaacca aacgttactt agactgcaag ctagaaagcc accaaggcca   1440
253 ggctttgtta aaagaagtgt attctattta tgttgtttta aaatgcatac tgagagacaa   1500
254 acatcttgtc attttcactg tttgtaaaag ataattcaga ttgtttgtct ccttgtgaag   1560
255 aaccatcgaa acctgtttgt tcccagccca ccccagtgg atgggatgca taatgccagc    1620
256 aagttttgtt taacagcaaa aaaggaagat taatgcaggt gttatagaag ccagaagaga   1680
257 aactgtgtca ccctaaagaa gcatataatc atagcattaa aaatgcacac attactccag   1740
258 gtggaaggtg gcaattgctt tctgatatca gctcgtttga tttagtgcaa aaatgttttc   1800
259 aagactattt aatggatgta aaaaagccta tttctacatt ataccaactg agaaaaaaat   1860
260 ggtcggtaaa gtgttctttc ataataaata atcagacatg gtcccatttg caggaaaagt   1920
261 gcagactctg agtgttccag ggaaacacat gctggacatc ccttgtaacc cggtatgggc   1980
262 gcccctgcat tgctgggatg tttctgccca cggttttgtt tgtgcaataa cgttatcaca   2040
263 tttctaatga ggattcacat taatataata taaataaat aggtcagtta ctggtctctt    2100
264 tctccgaatg ttatgttttg cttttatctc acagtaaaat aaatataatt aatggtttgc   2160
265 atgtgaaatt cacttttgaa agaacatgtt accttacctt ttgttttaga agttttcaag   2220
266 tattaaaata ttttttagaa                                                2240
269 <210> SEQ ID NO: 6
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/30/2005
PATENT APPLICATION: US/10/540,311   TIME: 08:46:15

Input Set : **A:\689290-248.txt**
Output Set: **N:\CRF4\06302005\J540311.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY   DATE: 06/30/2005
PATENT APPLICATION: **US/10/540,311** TIME: 08:46:15

Input Set : **A:\689290-248.txt**
Output Set: **N:\CRF4\06302005\J540311.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date